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(54) **DISK DRIVE INCLUDING A RECORDING SURFACE EMPLOYING SERVO ZONES WITH BANDED DATA ZONES**

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(52) U.S. Cl. **360/51; 360/48; 360/46; 360/77.08**

(58) Field of Search **360/46, 48, 51, 360/65, 77.08**

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(57) **ABSTRACT**

A disk drive includes a disk having a disk surface, the disk surface having a plurality of tracks arranged in an embedded servo format. The disk surface includes a plurality of radially-extending user-data regions and a plurality of radially-extending servo-data regions. Each user-data region has a plurality of data zones in each of which user data are stored in a plurality of track segments at a data channel frequency particular to that data zone. Each servo-data region has a plurality of servo zones in each of which servo data are stored in a plurality of track segments at a servo channel frequency particular to that servo zone. The servo channel frequency differs from the data channel frequency for at least one track.

3 Claims, 16 Drawing Sheets

